Pre-Engineered Solutions

Details Make the Difference

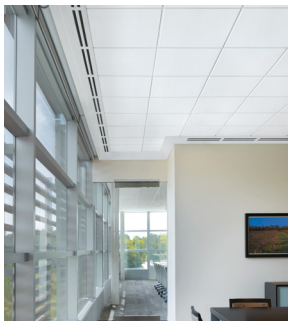
Armstrong®
World Industries



Armstrong® Ceiling Solutions are pre-engineered with attention to detail to ensure you control the finished aesthetic of the ceiling and achieve your design intent.

On every project you will encounter some, if not all, of these common conditions. This guide features pre-engineered integrated solutions for each common condition.

We have compared our pre-engineered solutions to traditional construction methods, and presented the benefits to the design and build-out process. By using these integrated solutions, you will be able to specify and maintain the crisp, clean details you envision, while solving everyday challenges including sustainable and efficient solutions.



4 Shade Pockets



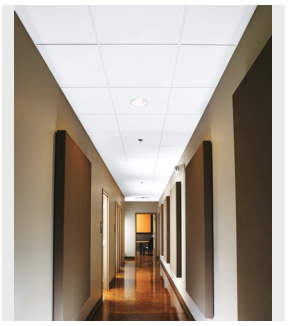
5 Light Coves



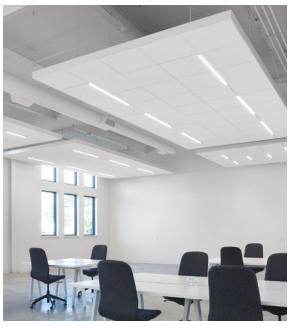
12 Soffits



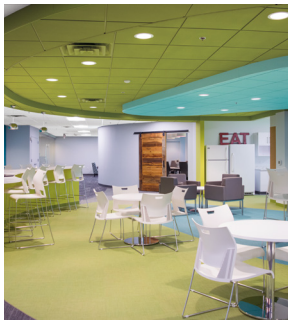
16 FrameAll® Flat & Curved Drywall



18 Corridors



20 Clouds, Lighting & Accessories



26 Transitions

Axiom® Classic Trim, CastWorks™ GFRC Architectural Forms, Optima® PB Panels



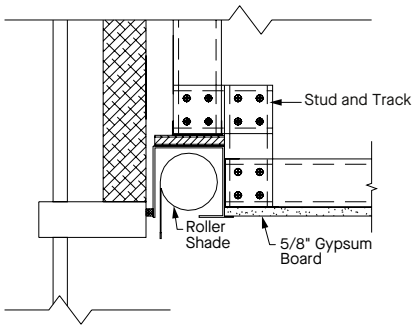

D
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Axiom® Building Perimeter Shade Pocket

Axiom® Building Perimeter Shade Pockets

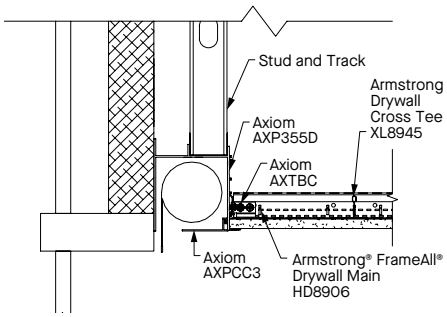
Traditional Shade Pocket



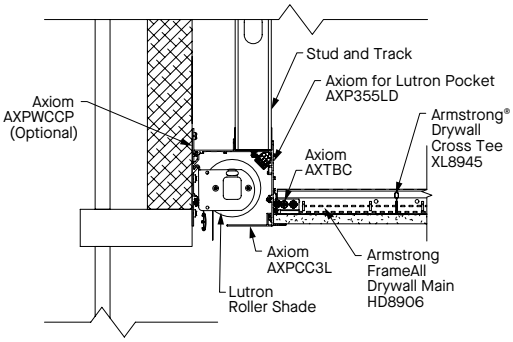
Transitions between the building's interior perimeter and the ceiling plane can be challenging when traditional shade pockets are incorporated.

Armstrong Ceiling Solutions Axiom® Building Perimeter Shade Pockets

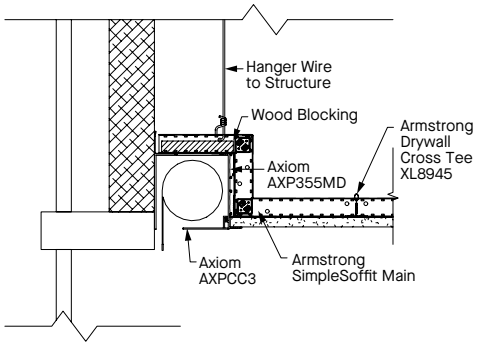
Axiom AXP355 Pocket with FrameAll® Drywall Grid



Axiom AXPWCCP Pocket for Lutron with FrameAll Drywall Grid



Axiom AXP355 Pocket with SimpleSoffit® Framing System



Benefits:

- Regains aesthetic control at the building perimeter
- Achieves quality control at the perimeter, reduces time required to detail and specify the integration of perimeter solutions
- Reduces risk associated with field-fabricated, labor-intensive accommodation of linear air distribution, window pockets, and ceiling elevation changes at the perimeter of a building
- Reduces embodied carbon by up to 80% compared to traditional framing

Features:

- Integrates with all Armstrong® acoustical and FrameAll® Drywall Grid
- Integrates drapery pockets, window shades, air distribution, and changes in ceiling elevation
- Installs 12 times faster than drywall pockets and twice as fast as traditional pockets
- Variety of options for manual, motorized, and pocketless applications at the perimeter

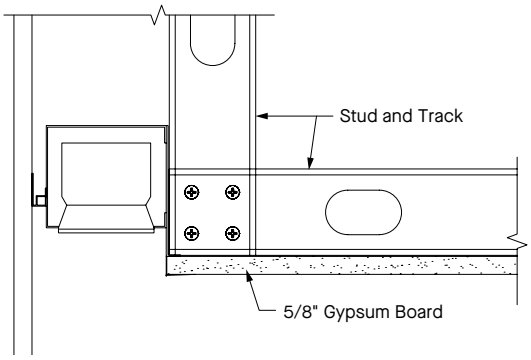
View Master Details



Axiom® Direct Light Coves

Axiom® Direct Light Coves

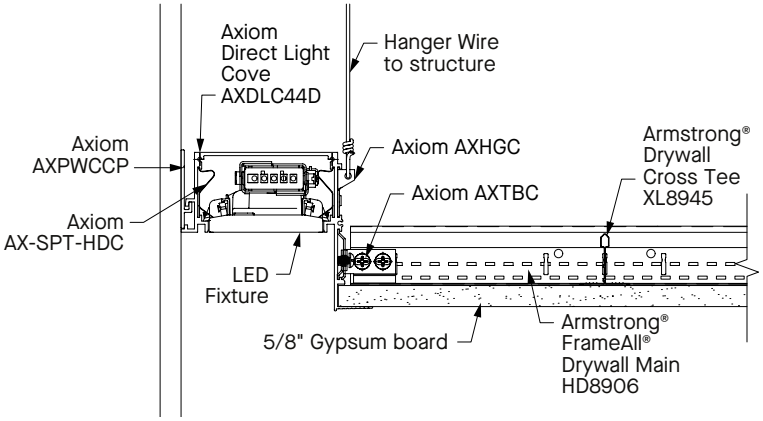
Traditional Direct Light Cove



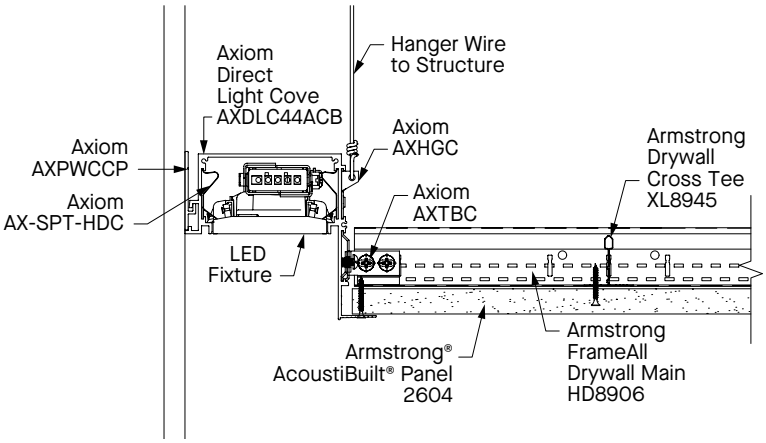
Axiom® extruded aluminum direct light coves offer low-plenum clearance and predictable lighting performance.

Armstrong Ceiling Solutions Axiom® Direct Light Coves

Axiom Direct Light Cove with FrameAll Drywall Grid and Drywall



Axiom Direct Light Cove with FrameAll Drywall Grid and AcoustiBuilt® Seamless Acoustical Ceilings



Benefits:

- Fully-concealed integrated design installs with all Armstrong® acoustical and drywall suspension systems
- Low-profile design with plug-and-play lighting for shallow-plenum corridors or entryways
- Integrated lighting partners make the complete solution easy to specify and maintain lighting symmetry
- Reduces embodied carbon by up to 80% compared to traditional framing

Features:

- Pre-engineered, extruded aluminum light cove profiles with integrated light fixture
- 4" × 4" and 4" × 6" direct light cove options available
- Installs 90% faster with just 10% of the labor of traditional light coves
- Designed to work with Armstrong linear lighting partners

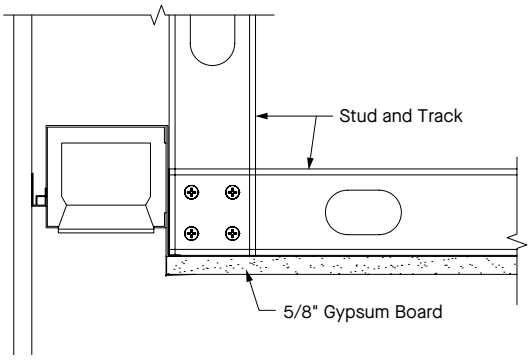
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Axiom® Indirect Light Coves

Axiom® Indirect Light Coves & Indirect Field Light Coves

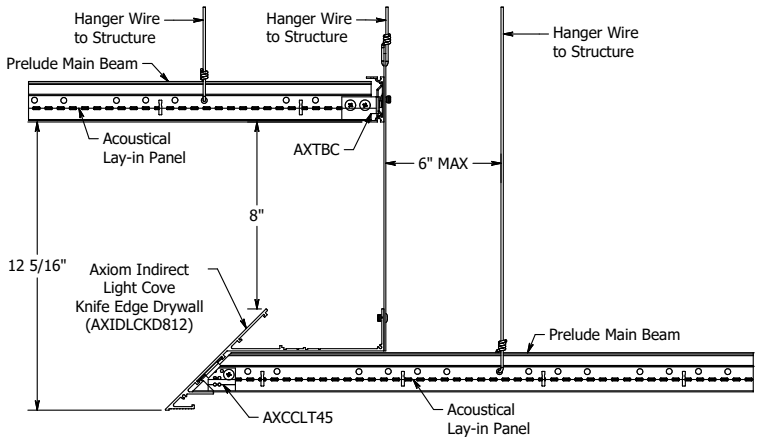
Traditional Indirect Light Cove



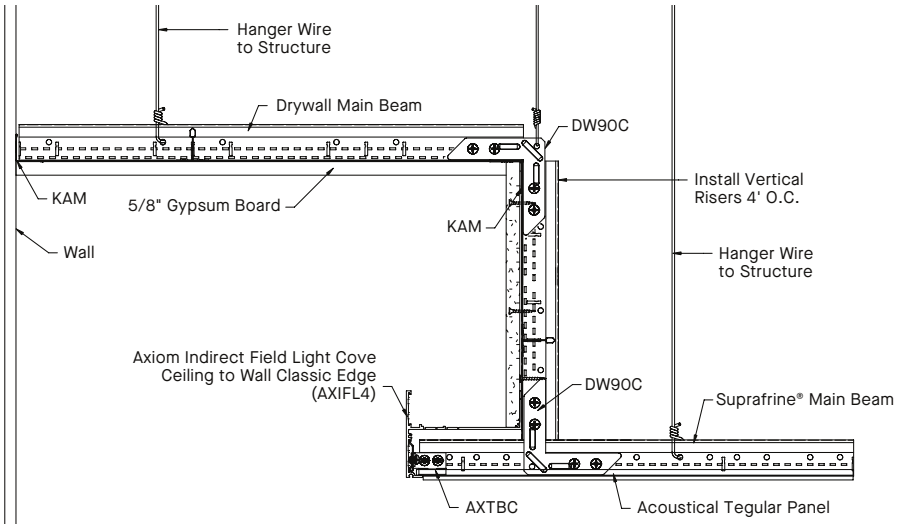
Axiom® light coves are available in a variety of sizes with options allowing for predictable lighting performance in any space.

Armstrong Ceiling Solutions Axiom® Indirect Light Cove & Indirect Field Light Coves

Ceiling Indirect Light Cove, Knife Edge®



Wall Indirect Field Light Cove, Classic Profile



Benefits:

- Cohesive coordination between lighting and Armstrong® suspension systems and FrameAll® Drywall Grid, providing integrated design and predictable lighting performance
- Compatible with most standard light fixtures, features alignment grooves that accept the Axiom Light Fixture Alignment Clip (ALFAC) for use with Axis Cove Perfekt™ Lighting and Vode® ZipWave® partner light fixtures
- Reduces embodied carbon by up to 75% compared to traditional framing

Features:

- Available in Classic, Knife Edge® for Acoustical, and Knife Edge® for Drywall profiles, offer an enhanced architectural appearance compatible with both ceiling and wall installations
- Knife Edge® profile brings acoustical tile out to the edge of the cove
- Installs 90% faster with just 10% of the labor of traditional light coves

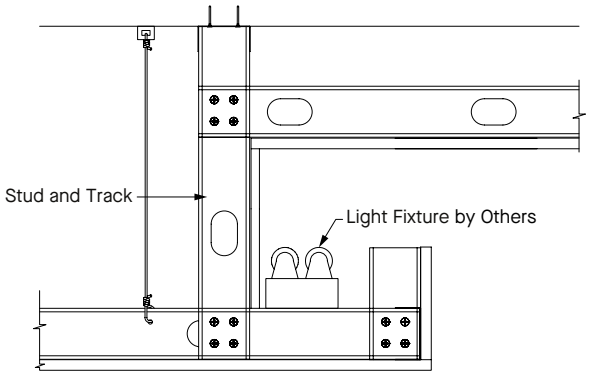
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Drywall Grid Light Coves

FrameAll® Drywall Grid System – Light Coves

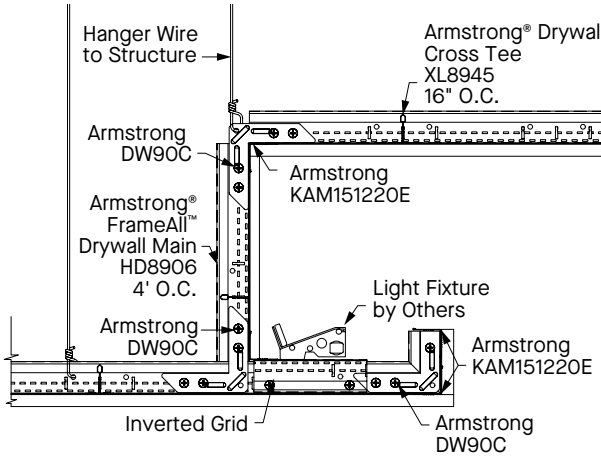
Traditional Drywall Light Cove



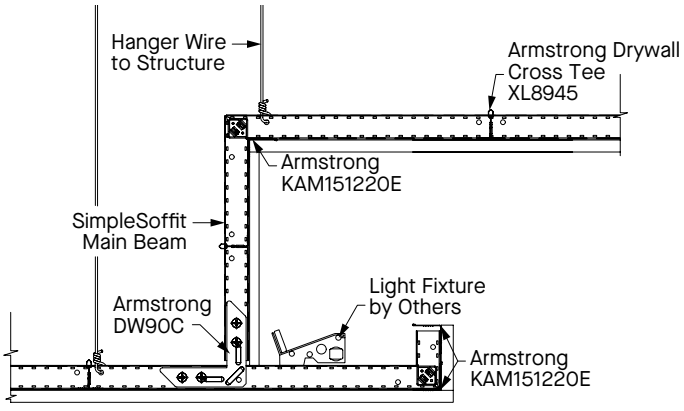
FrameAll® solutions offer predictable load performance and more control over finished aesthetic than traditional framing.

Armstrong Ceiling Solutions Drywall Grid Light Cove

FrameAll Drywall Grid



SimpleSoffit® Framing



Benefits:

- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll Drywall Grid saves steel and significantly increases the modularization of the build process
- Reduces embodied carbon by up to 75% compared to traditional framing

Features:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready-to-install and can be quickly clicked together
- FrameAll Drywall Grid is manufactured with additional rout locations to accommodate F-type light fixtures, access panels, and air diffusers
- Engineered for design control while providing a greener installation by reducing steel up to 25%
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions

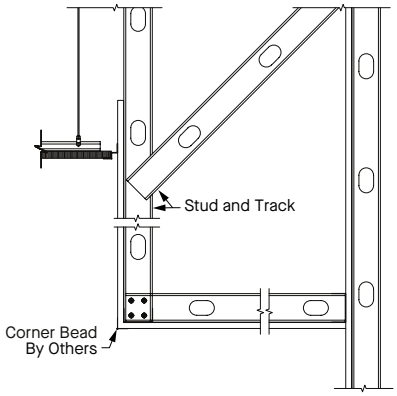
View Master Details



Drywall Grid System and SimpleSoffit® Framing System

FrameAll® Drywall Grid System – 90° Soffits

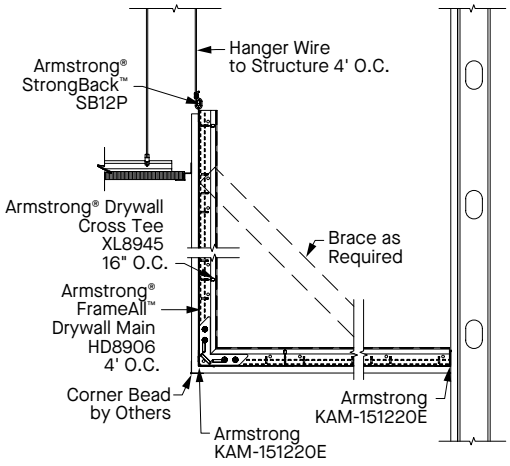
Traditional 90° Soffit



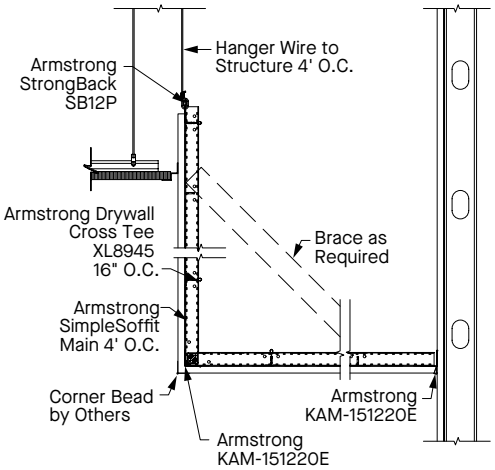
L-Soffits constructed using FrameAll® Drywall Grid provide superior value in terms of predictability, performance, and control over finished aesthetic compared to traditional framing.

Armstrong Ceiling Solutions 90° Soffit

FrameAll® Drywall Grid



SimpleSoffit Framing



Benefits:

- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll Drywall Grid saves steel and significantly increases the modularization capabilities of the installation
- Reduces embodied carbon by up to 75% compared to traditional framing

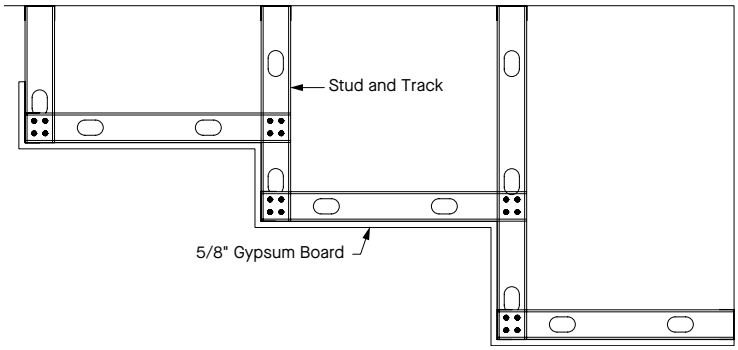
Features:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready to install and can be quickly clicked together
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions

View Master Details

FrameAll® Drywall Grid System – Step Soffits

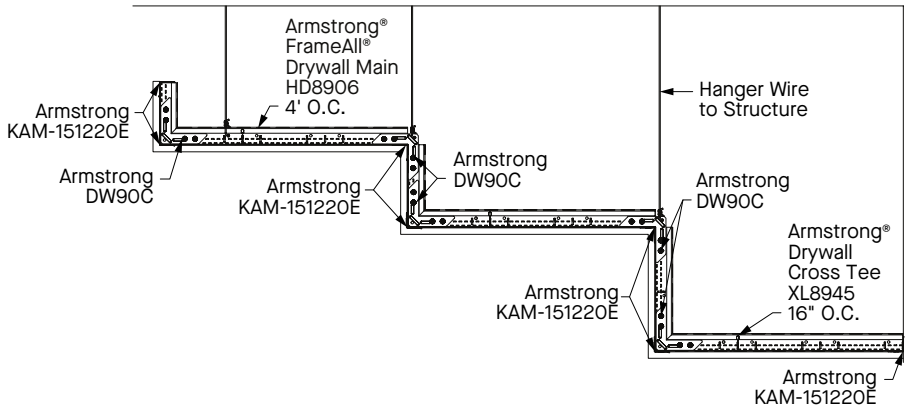
Traditional Step Soffit



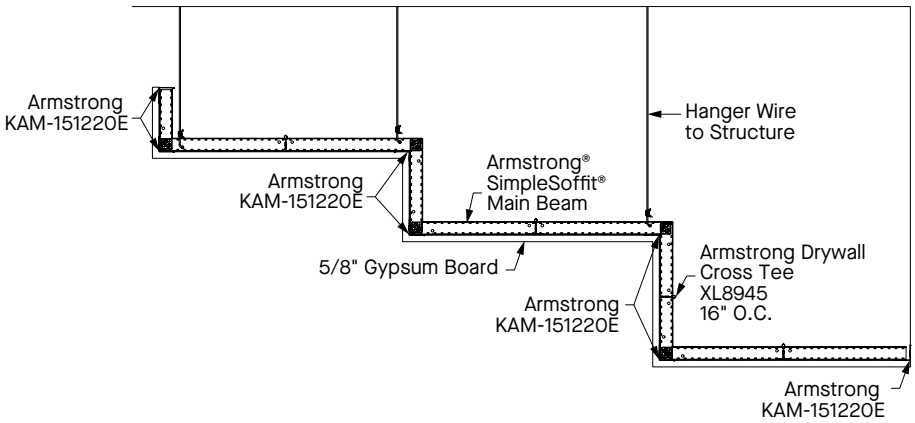
Step soffits, when constructed using FrameAll® drywall grid, offer superior performance and control over finished aesthetic compared to traditional framing.

Armstrong Ceiling Solutions Step Soffit

FrameAll Drywall Grid



SimpleSoffit® Framing



Benefits:

- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll® Drywall Grid saves steel and significantly increases the modularization of the build process
- Reduces embodied carbon by up to 70% compared to traditional framing

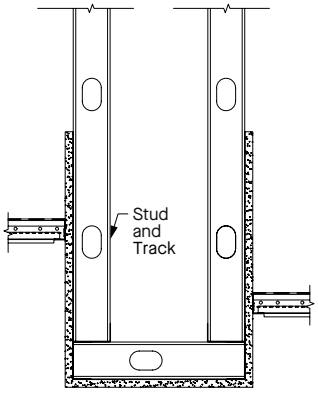
Features:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready to install and can be quickly clicked together
- Engineered for design control while providing a greener installation by reducing steel up to 25%
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions
- Armstrong® FrameAll® Drywall Grid saves steel and significantly increases the modularization of the build process

View Master Details

FrameAll® Drywall Grid System – Box Framing

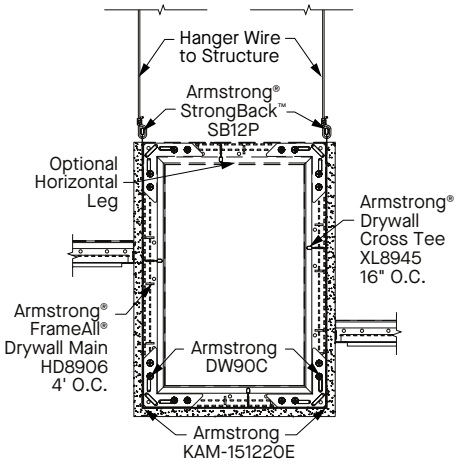
Traditional Soffit



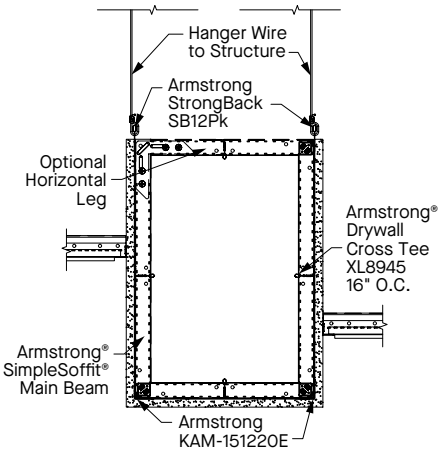
FrameAll® Drywall Grid provides improved visuals and more predictable load performance compared to traditional framing for your box and U-soffit designs.

Armstrong Ceiling Solutions Soffit

FrameAll Drywall Grid



SimpleSoffit® Framing



Benefits:

- Installation savings up to 75% compared to traditional framing
- Pre-engineered FrameAll Drywall Grid soffits are three times faster to install than traditional stud-and-track framing
- FrameAll® Drywall Grid saves steel and significantly increases the modularization of the build process
- Reduces embodied carbon by up to 75% compared to traditional framing

Features:

- SimpleSoffit® framing provides precisely notched main beams that arrive ready to install and can be quickly clicked together
- Forms perfect 30°, 45°, 60°, 75°, and 90° angles
- Flattened bulb is offset to allow true angles without interference
- Engineered for design control while providing a greener installation by reducing steel up to 25%
- Can be quickly field-modified to accommodate a vast array of soffit and step conditions

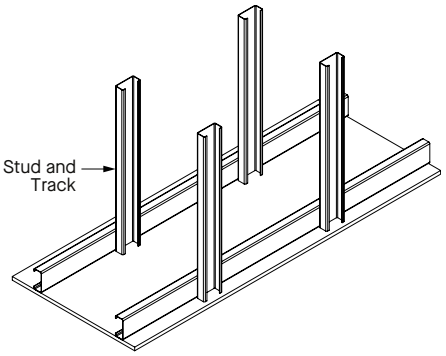
View Master Details



Curved Drywall Grid System with RC2 Clips

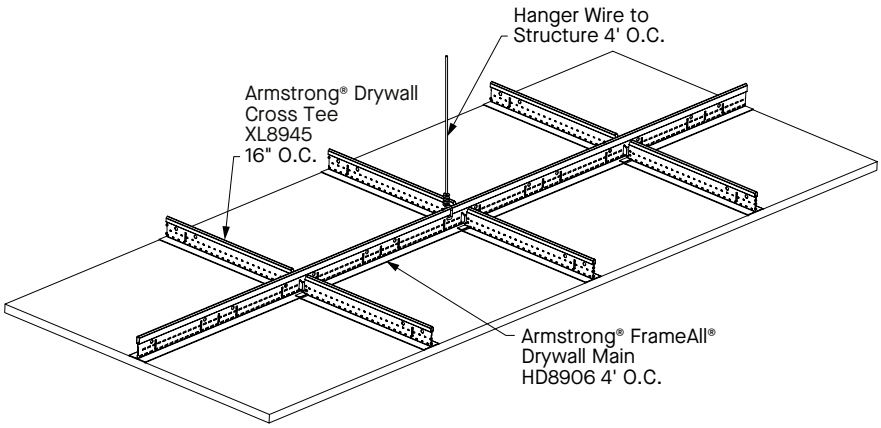
FrameAll® Drywall Grid System – Flat & Curved Drywall Ceilings

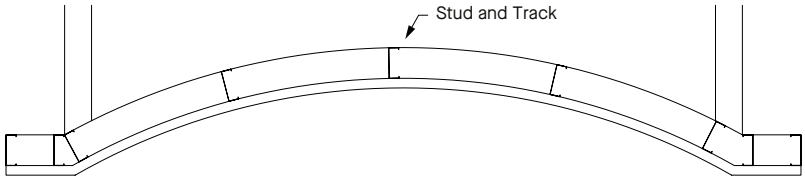
Traditional Flat Drywall

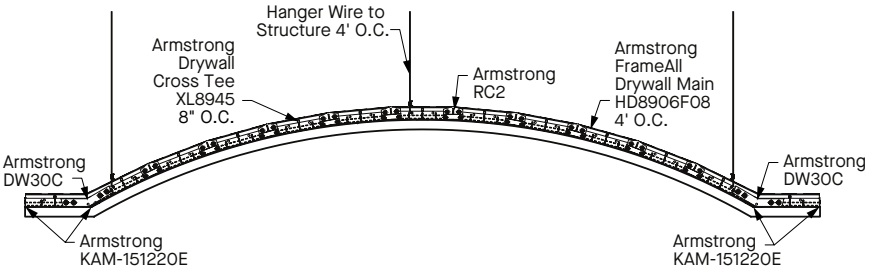


FrameAll® solutions in flat ceiling design offer predictable load performance and more control over the visual vs. traditional framing.

Armstrong Ceiling Solutions FrameAll Drywall Grid System for Flat and Curved Drywall







Benefits:

- Installation savings up to 75% compared to traditional framing
- Ultimate control of the curve – expand your design beyond traditional pre-selected or pre-determined radii
- Simplify the design of corridors, small room configurations, restrooms, and storage closets
- Engineered to use less steel than traditional drywall ceiling framing methods
- Using FrameAll Drywall Grid reduces framing height
- Reduces embodied carbon by up to 60% compared to traditional framing

Features:

- Create custom radii to suit any design by combining our pre-notched main beam with our RC2 clip
- Engineered for design control while providing a greener installation by reducing steel up to 15%

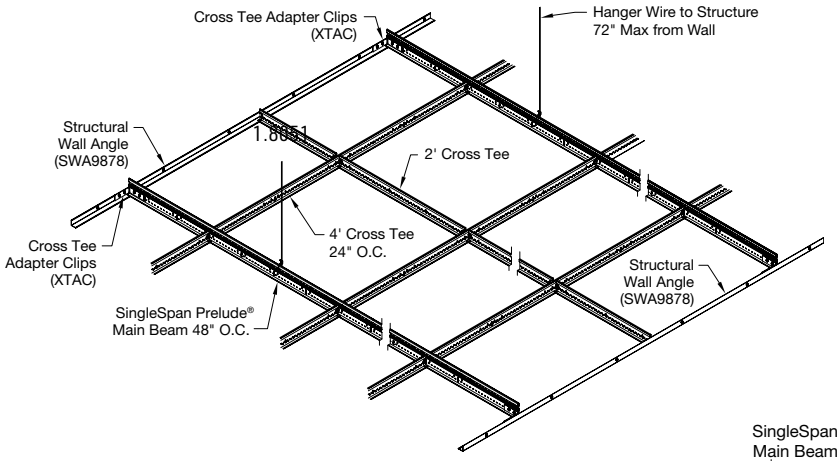
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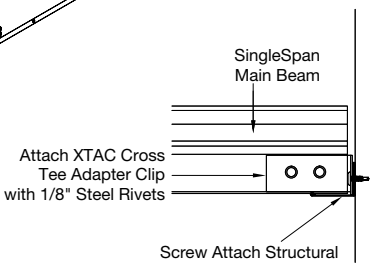


SingleSpan™ Acoustical Corridor System with Calla® Ceiling Panels

SingleSpan™ Acoustical Corridor Suspension System & ShortSpan® Drywall Corridor System

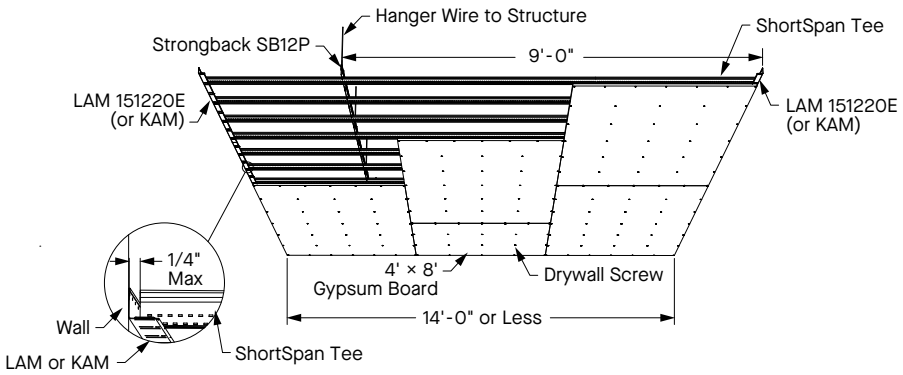
Armstrong Ceiling Solutions — SingleSpan Acoustical Corridor Suspension System



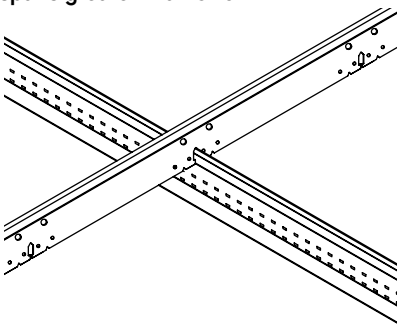


NOTE: For seismic installations where SPAN C-Channel with BERCSPAN or lateral support bars and/or perimeter wires may be used, refer to the SingleSpan installation instructions.

Armstrong Ceiling Solutions — ShortSpan Drywall Grid Framing System



StrongBack used for spans greater than 9'-0"



Crowded or low plenums can be a challenge when designing due to many important components running above the ceiling plane, especially within healthcare applications.

SINGLESPAN™

Benefits:

- SingleSpan reduces or eliminates hanger wires – perfect for healthcare/education spaces with crowded plenums
- SingleSpan provides improved access to utilities in the plenum post installation

Features:

- SingleSpan structural wall angle maximizes the load-carrying performance
- SingleSpan and ShortSpan have been seismically tested, IAPMO and ICC-ES code-compliant

SHORTSPAN®

Benefits:

- ShortSpan supports spans up to 9'-0" with no mid-span support (cross tees every 16" O.C.)

Features:

- ShortSpan StrongBack™ SB12 can be used for spans beyond 9'-0"
- Locking Angle Molding – LAM12 has pre-engineered locking tabs punched 8" O.C. – frame 16" or 24" O.C.

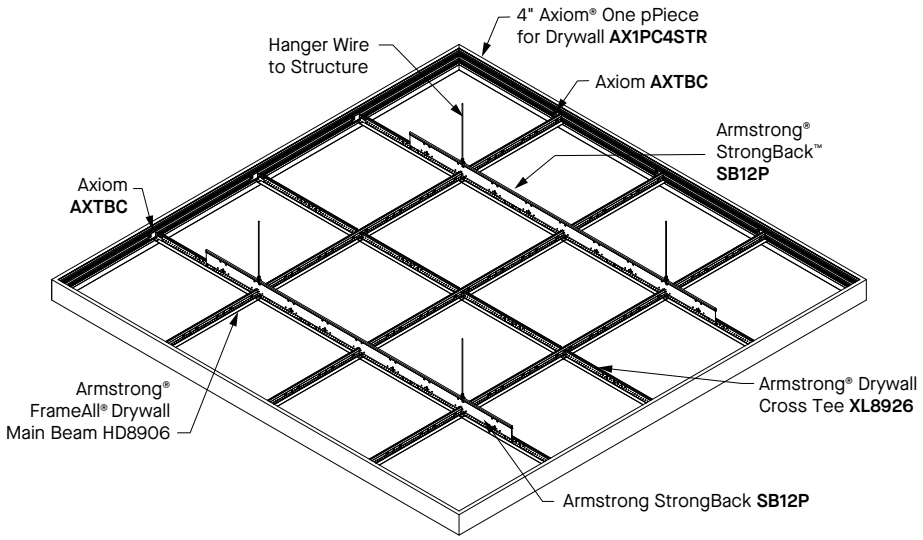
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Formations™ Acoustical Cloud Kits

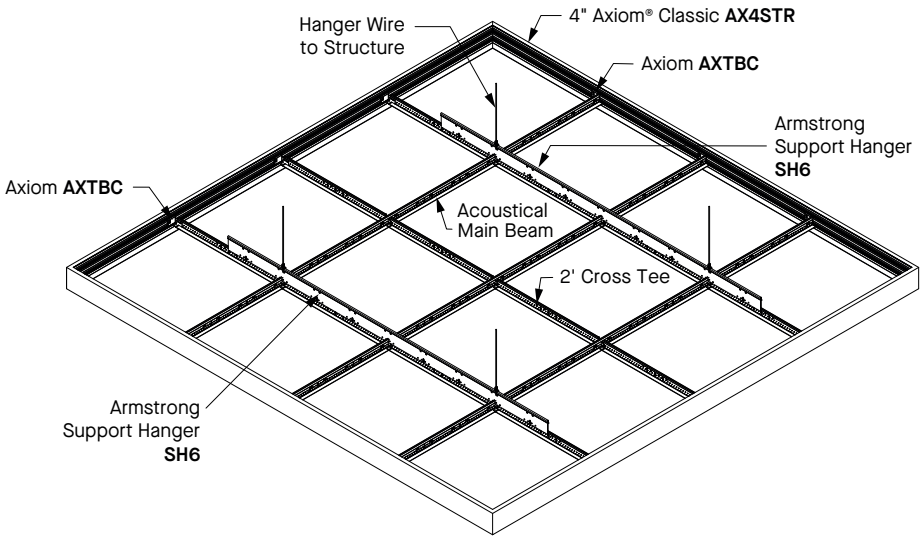
Acoustical and Drywall Clouds

Traditional — Formations™ Drywall Cloud Kit



Make a bold statement in signature areas without the hassle, cost, and risk associated with custom installations. Whether you choose standard or custom, the grid, trim, and hanging components come pre-cut and ready to go in a kit.

Armstrong Ceiling Solutions — Formations Acoustical Cloud Kits



Benefits:

- Ideal for exposed structure areas to reduce reverberation time, reduce noise levels, and increase speech intelligibility
- Clouds appear to float and provide a clean, contemporary look with consistent fit and finish
- Kits install 55% faster than stick built clouds – no field painting or modifications

Features:

- Variety of options – including configurations, panels, sizes, trim color, lighting, and applications
- Kits come complete with our proven support hanger carrying channel, which eliminates 40% of the cables – minimizing visible wires
- Wide range of standard Axiom® trim and suspension system colors adds a custom look

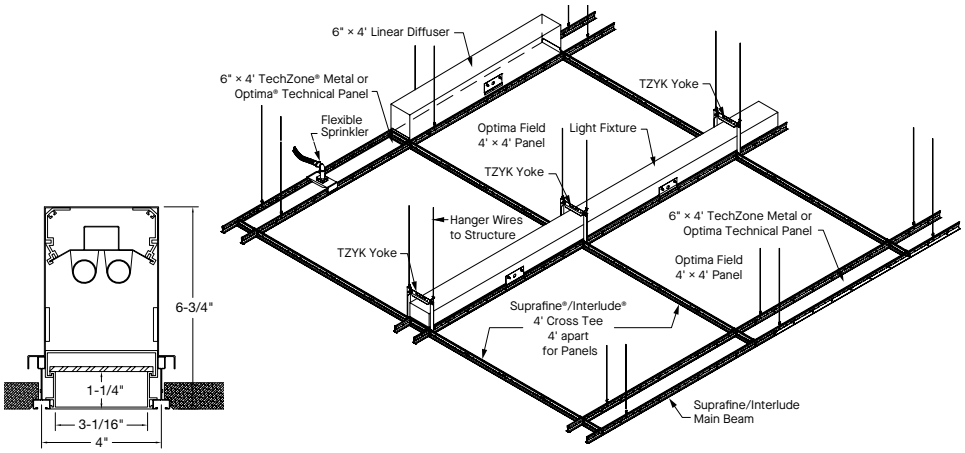
View Master Details



Linear Lighting with Calla® Health Zone™

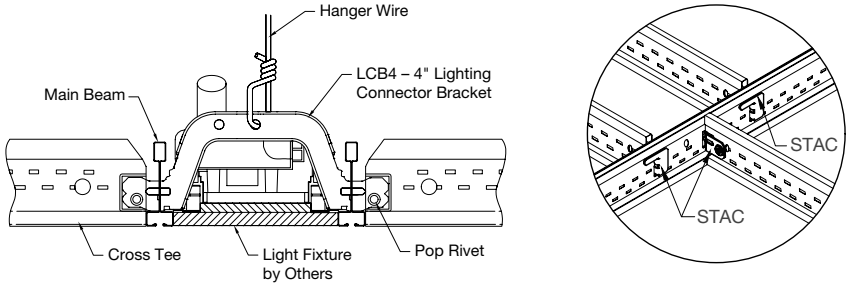
Linear Lighting

Traditional Tech Zone® Lighting



Deliver your vision of perfectly symmetrical continuous or discontinuous linear lighting, using factory-finished acoustical ceiling panels and suspension systems or our Drywall Grid System.

Armstrong Ceiling Solutions On-Center Linear Lighting – Acoustical



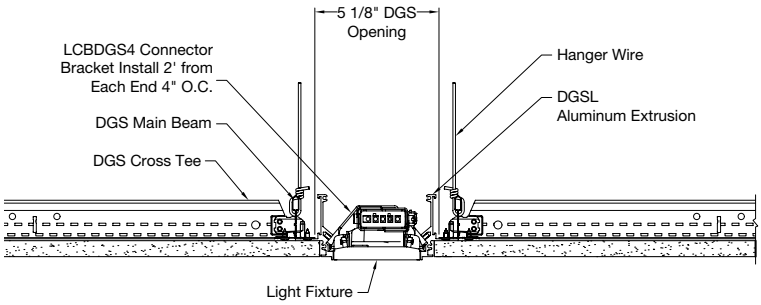
Benefits:

- Pre-engineered to seamlessly integrate linear lighting on center with the grid line
- Factory-finished panels and suspension system
- Zero independent suspension for lighting fixtures
- Perfectly-placed runs of light create ceiling layouts to fit your building deisgn
- Light installs from below

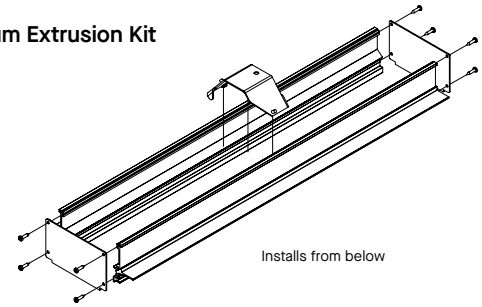
Features:

- Seamless integration between drywall ceilings and linear lighting
- Leverage long runs of light to create a monolithic look
- Varying lengths and on-center spacing true to design intent

Armstrong Ceiling Solutions Linear Lighting – FrameAll® Drywall



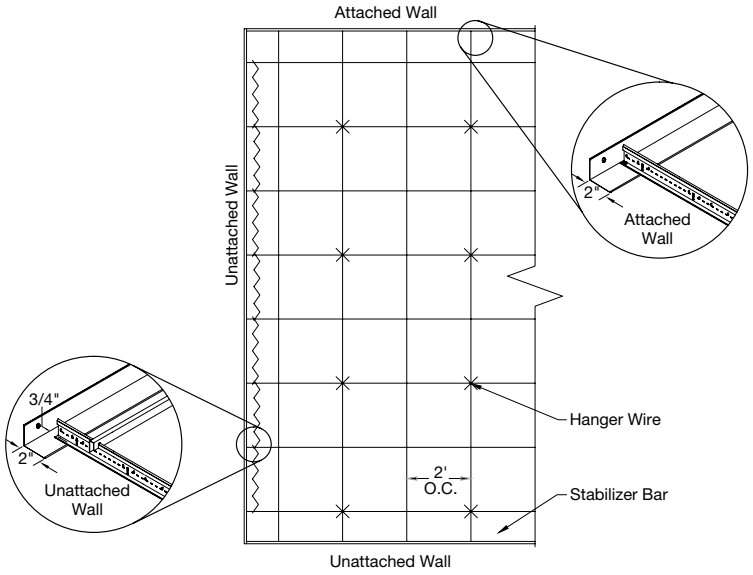
DGSL Aluminum Extrusion Kit



View Master Details

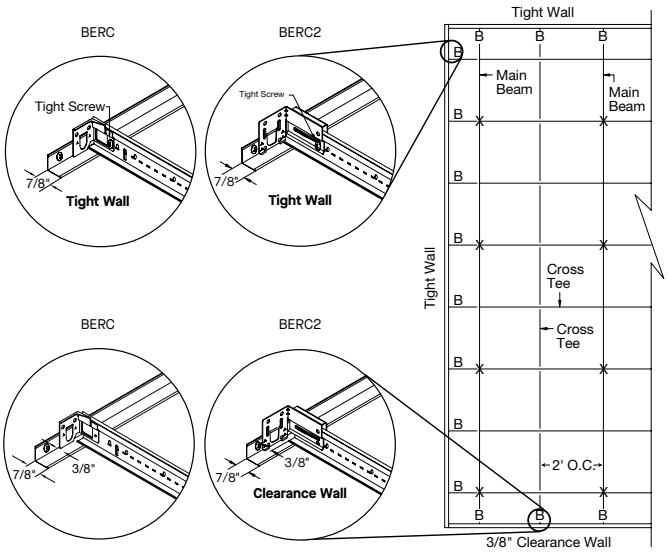
Seismic Wall Molding Connection (BERC2 Clip)

Traditional Seismic Wall Molding Connection



Traditionally, unsightly 2" wall angle has been used to facilitate movement, while using pop rivets for finishing.

Armstrong Ceiling Solutions Seismic Wall Molding Connection (BERC2 Clip)



X Hanger Wire

B BERC or BERC2 Clip

Benefits:

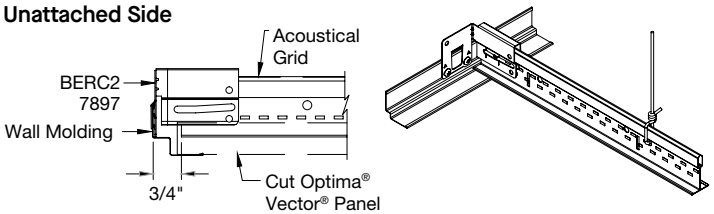
- Create a code compliant seismic C, D, E, F ceiling installation, while eliminating the need to use 2" wall molding
- No visible pop rivets required on fixed walls
- No perimeter stabilizer bars required

Features:

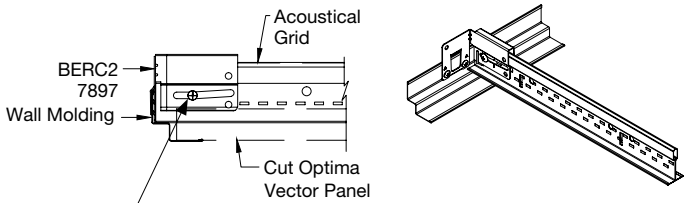
- 7/8" wall angle instead of 2" wall angle
- No uneven appearance with 7/8" wall angle
- Code approved with ESR reports

View Master Details

Unattached Side



Attached Side



NOTE: BERC2 Clip attached to grid with screw

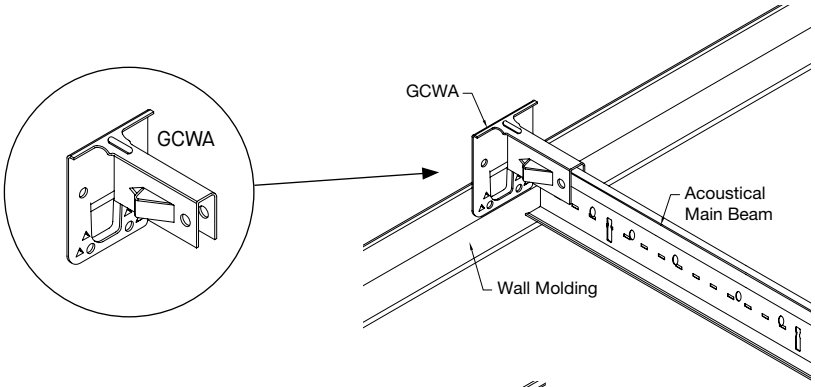
Wall Molding, Clips, & Accessories

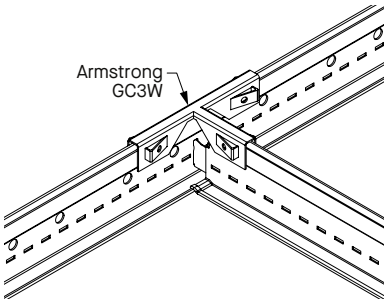
Traditional Wall Molding Connection

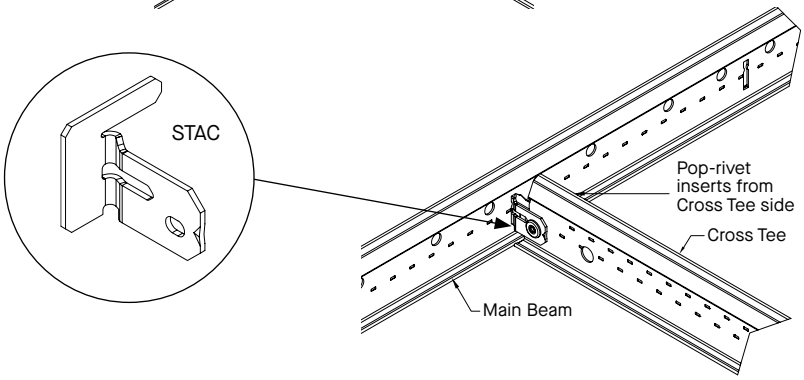


Attaching main beams and cross tees to wall molding can create unsightly finished visuals at the perimeter and do not lock with grid causing shifts to happen after installation.

Armstrong Ceiling Solutions Wall Molding – GCWA and STAC Clip







GCWA Benefits:

- Join any main beam or cross tee to a wall molding via integral locking barbs without any visible pop rivets or screws
- Eliminate visible fastening at wall molding for improved visual
- Integrates with suspension system – eliminating guesswork

STAC Benefits:

- Create strong, code compliant, non-seismic and seismic C, D, E, F off-module main beam to cross tee connections
- Perfectly square installation
- Consistent fit and finish at connection points of layout

GCWA Features:

- Clips are made and ready to use through our FastShip™ clips and accessories program
- Securely attaches main beams and cross tees to perimeter
- Compatible with 15/16" and 9/16" Acoustical Suspension Systems

STAC Features:

- Off-module tees are tight and grid installation is square at each connection
- Use STAC everywhere you do not have an opposing cross tee connection
- Meets seismic code

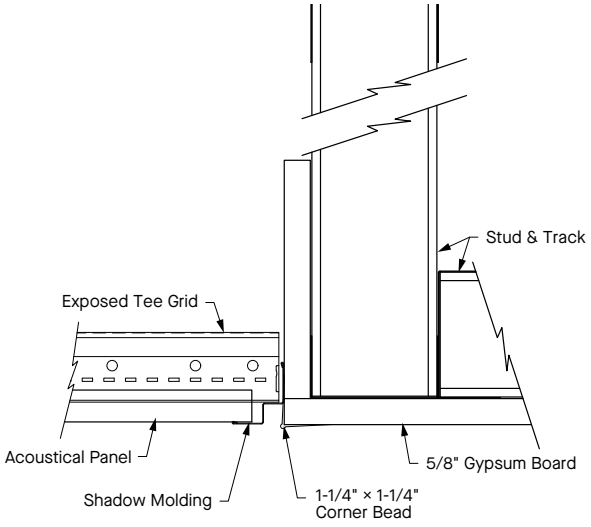
View Master Details



Axiom® Flush Transitions

Axiom® & Steel Flush Transitions

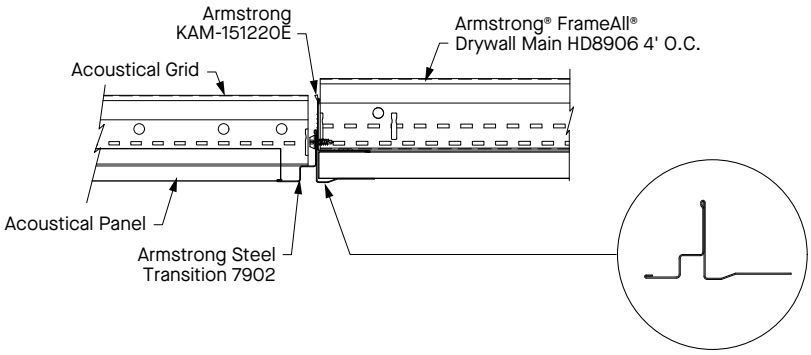
Traditional Flush Transition



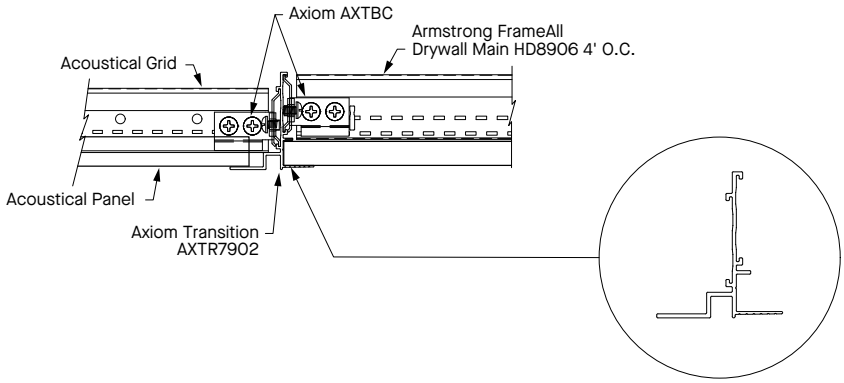
Transition between two ceilings planes at the same height.

Armstrong Ceiling Solutions Flush Transition

Steel Transition



Axiom Transition



- Minimize trade coordination with 40% faster installation time
- Can eliminate stud framing to structure

Steel Benefits:

- Steel transitions are factory painted to match Armstrong® Acoustical Suspension Systems
- Fewer parts and pieces; integrates Acoustical Molding with a Drywall Taping Flange
- Eliminates a vertical drywall return at the transition

Axiom® Benefits:

- Axiom aluminum trim provides more crisp-edge detailing compared to conventional roll-formed steel systems
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

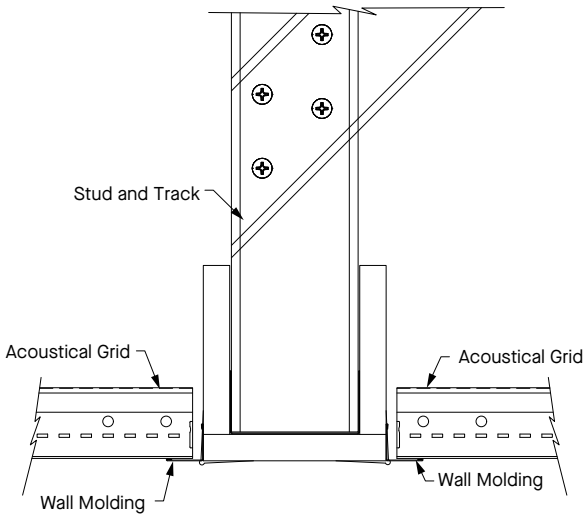
Features:

- Accommodates acoustical-to- acoustical, acoustical-to-drywall, and drywall-to-drywall
- Axiom can be straight or curved
- Compatible with Armstrong® Suspension Systems and Drywall Grid Systems

View Master Details

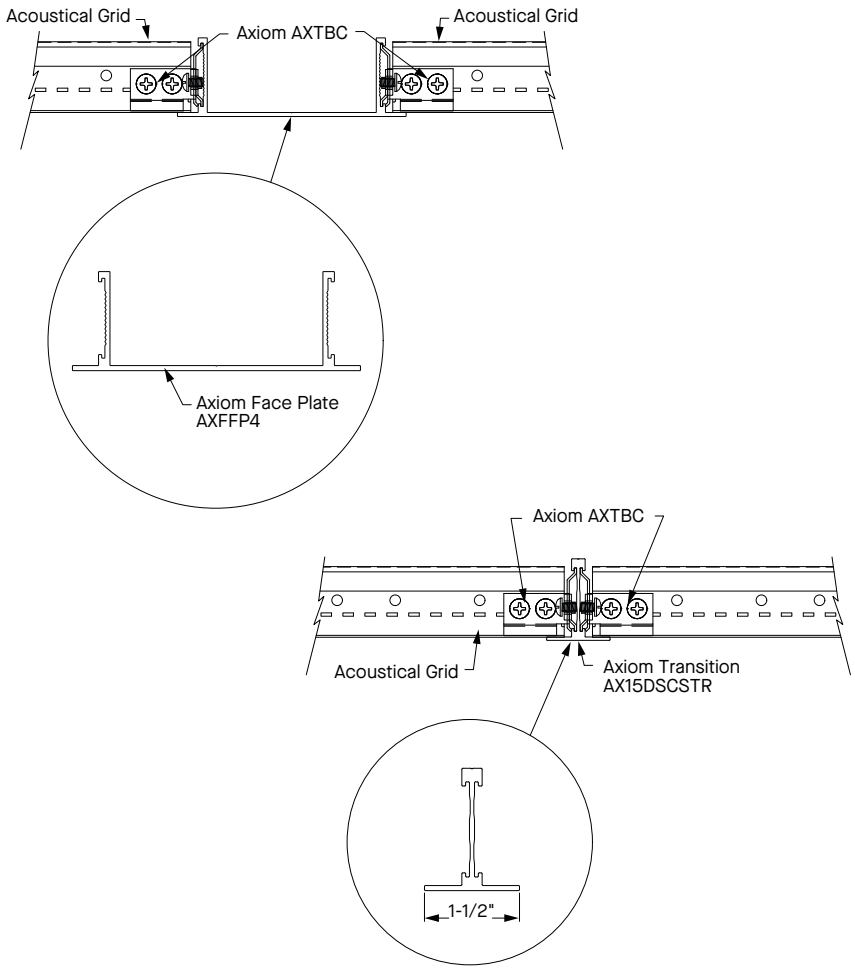
Axiom® Straight & Curved Flush Transitions

Traditional Field Transition



Axiom® straight and curved flush transitions can be used in place of a bulkhead when transitioning between two ceiling systems or changing ceiling system direction.

Armstrong Ceiling Solutions Field Transition



Benefits:

- Improved aesthetics
- Axiom aluminum trim provides more crisp-edge detailing compared to traditional stud framing bulkhead
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

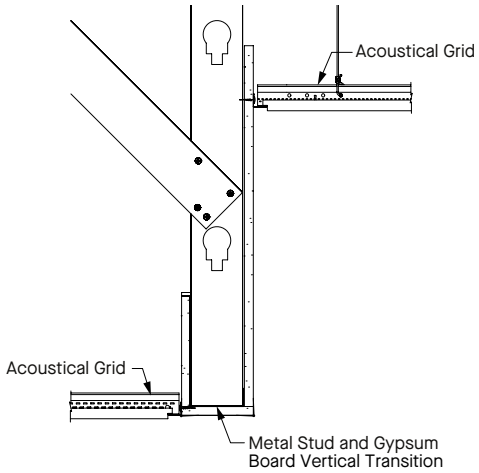
Features:

- Transition from acoustical to acoustical without dropping a stud
- Available in 1-1/2", 4", or 6" (1-1/2" used to change direction in hallways/corridors)
- Used to transition between intersecting ceiling systems or to transition between two different types of ceilings
- Acoustical-to-acoustical transitions only

View Master Details

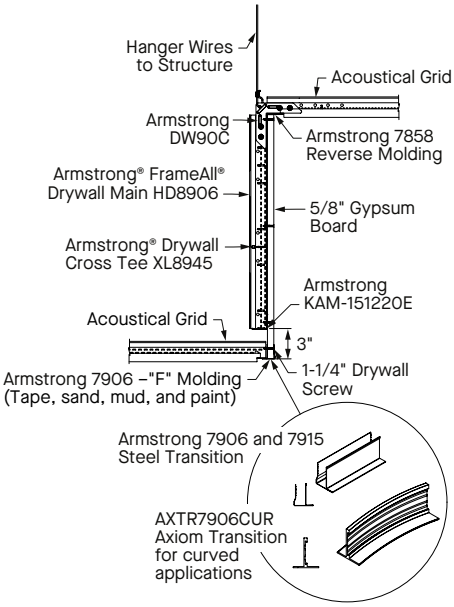
Axiom® & Steel F-Molding Transitions

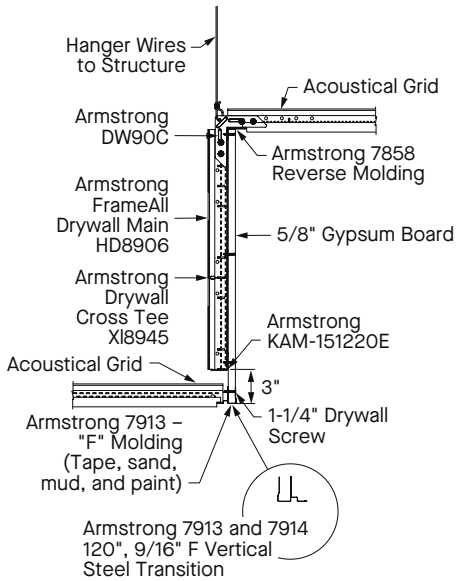
Traditional — Upturn Transition



F-Molding creates drywall height transitions without stud-and-track framing, eliminating the unsightly visual.

Armstrong Ceiling Solutions — F-Molding Transitions Greater Than 10"





- Minimize trade coordination with 40% faster installation time

Axiom® Benefits:

- Axiom aluminum trim provides more crisp-edge detailing compared to traditional stud and drywall framing
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

Steel Benefits:

- Steel transitions are factory-painted to match Armstrong® acoustical suspension systems
- Roll-formed steel with integrated mud flange – saves time, material, and labor on vertical transitions
- Fewer parts and pieces; integrates acoustical molding with a drywall taping flange
- Eliminates a vertical drywall return at the transition
- Also available with a 7/8" acoustical flange

Features:

- Accomodates acoustical-to-acoustical, acoustical-to-drywall, drywall-to-drywall, and drywall-to-acoustical configurations
- Compatible with Armstrong® suspension systems and FrameAll Drywall Grid

View Master Details

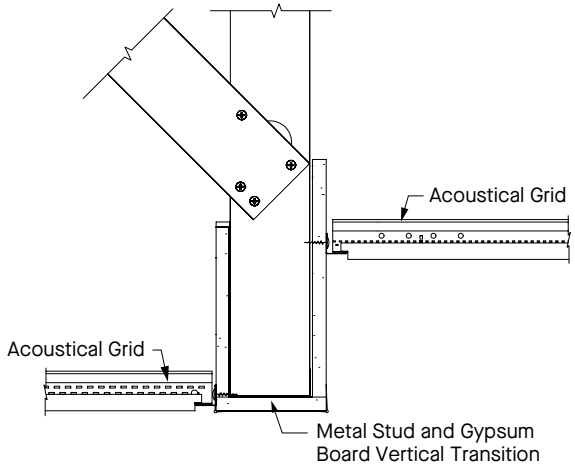


Axiom® Transitions

Axiom® Straight and Curved Transitions (2"–12" Elevation Change)

Traditional

Transition (Elevation Change)

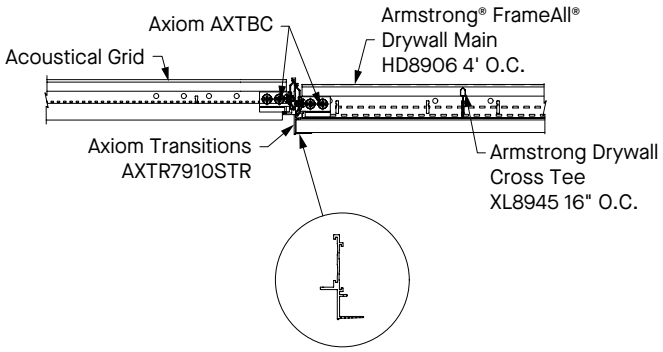


Axiom® transitions are used in place of a bulkhead when there is a height transition less than 12".

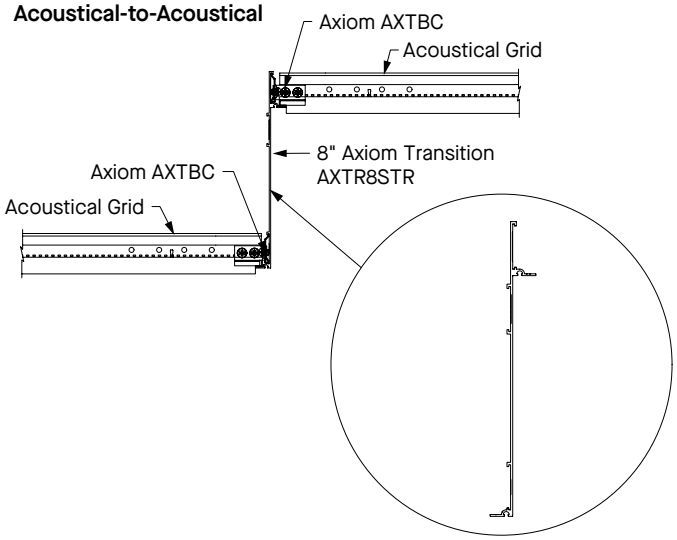
Armstrong Ceiling Solutions

Straight or Curved Transitions (2" to 12" Elevation Change)

Acoustical-to-Drywall



Acoustical-to-Acoustical



NOTE: Axiom Transitions are available in Custom Curves

Benefits:

- Improved visual with up to 40% savings of installation time
- Axiom® transitions create a smooth transition between drywall and suspended ceilings (mineral fiber, metal, or wood)
- Axiom aluminum trim provides more crisp-edge detailing compared to traditional stud and drywall framing
- Axiom is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Axiom acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time

Features:

- Axiom® Vector® trim is available straight only for use with full-size Vector panels (field-cutting Vector panels can be avoided)
- Elevation change accommodates acoustical-to-acoustical, acoustical-to-drywall, and drywall-to-drywall height transitions of 2", 4", 6", 8", 10", and 12"
- Compatible with Armstrong® suspension systems and FrameAll® Drywall Grid

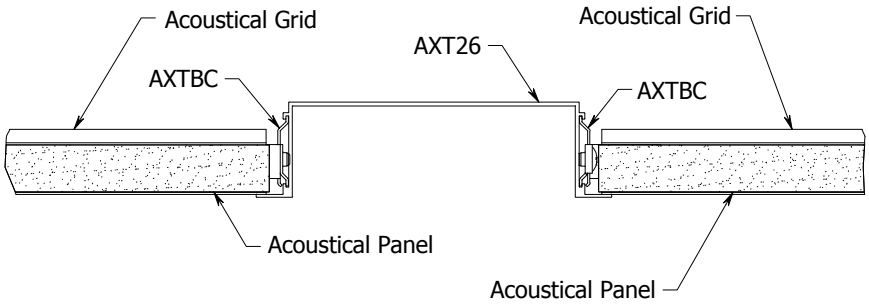
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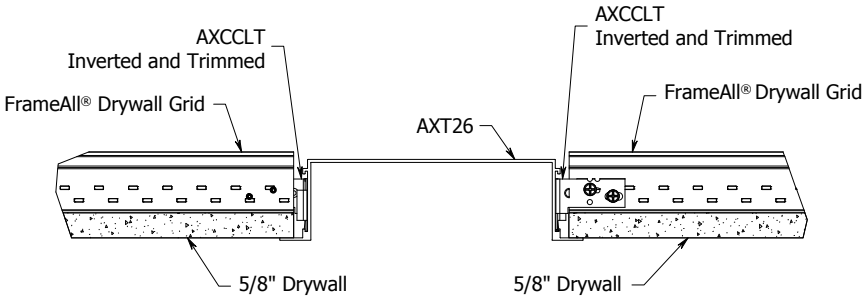
Axiom® Design Troughs

Axiom® Design Troughs

Armstrong Ceiling Solutions Standard 2×6 Design Trough in Acoustical Ceiling Installation



Armstrong Ceiling Solutions Standard 2 × 6 Design Trough in FrameAll® Drywall Grid Installation



Standard, ready-to-integrate ceiling trough solutions that streamline the creation of functional channels within the ceiling.

Benefits:

- Allows for easy integration of lighting, MEP, HVAC, and architectural detailing within a single channel
- Out-of-the-box troughs simplify field installation and reduce jobsite complexity
- Designed to be cut in the field for layout flexibility
- Axiom® trim and Design Troughs are part of the Sustain™ portfolio and meets the most stringent industry sustainability compliance standards today

Features:

- Four profile designs to accommodate a wide range of applications; 2" × 4" trough, 2" × 6" trough, 4" face plate, and 6" face plate
- Utilizes standard 90° corners, 3-way and 4-way intersections to make the unique design layouts possible
- Integrated bosses support discreet clip and splice plate connections for a refined, uninterrupted appearance
- Coordinates with Armstrong ceiling and suspension systems

View Master Details

Take the **Next Steps**

877 276-7876

Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST, Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday.

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See the Seismic brochure here.

On the cover: Axiom® Classic Trim, AcoustiBuilt® Seamless Acoustical Ceilings, and SimpleSoffit® Drywall Framing

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